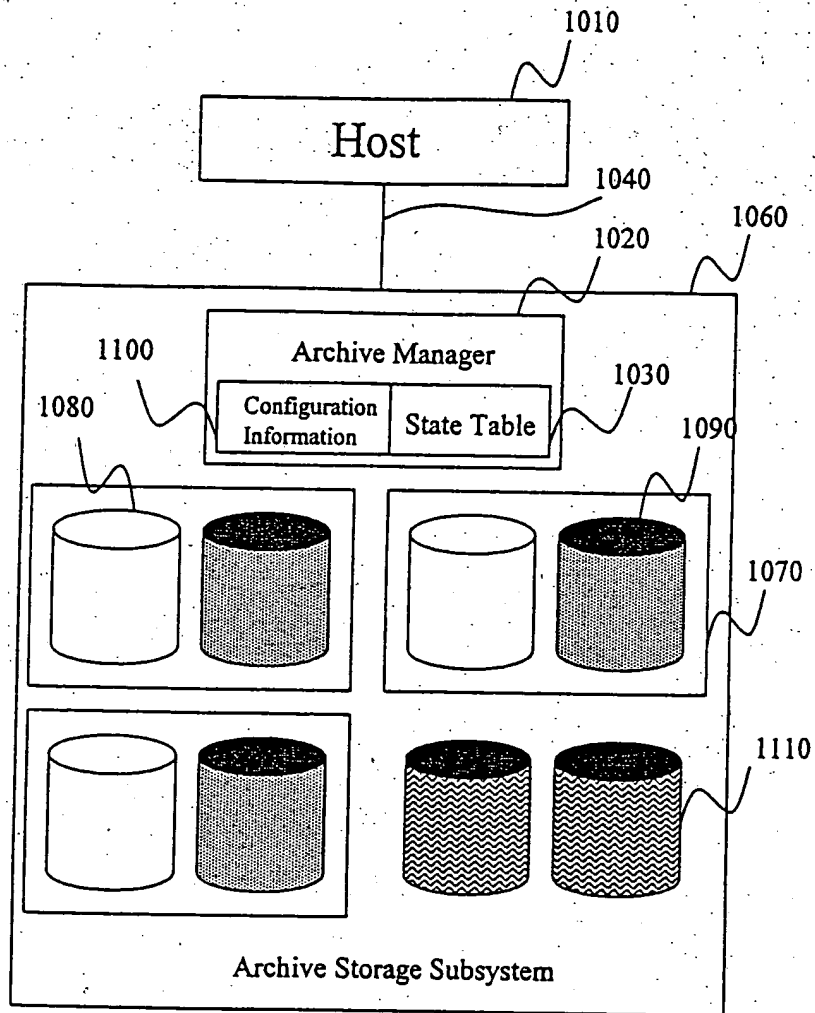


**Fig 1 : Basic Configuration of a Storage System for Archives**



<sup>2</sup>  
Fig. 2: the Archive Manager in the Archive Storage Subsystem

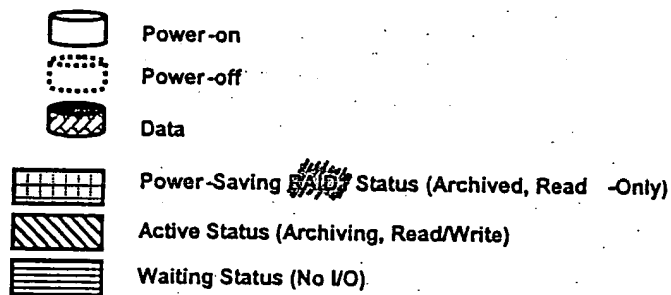
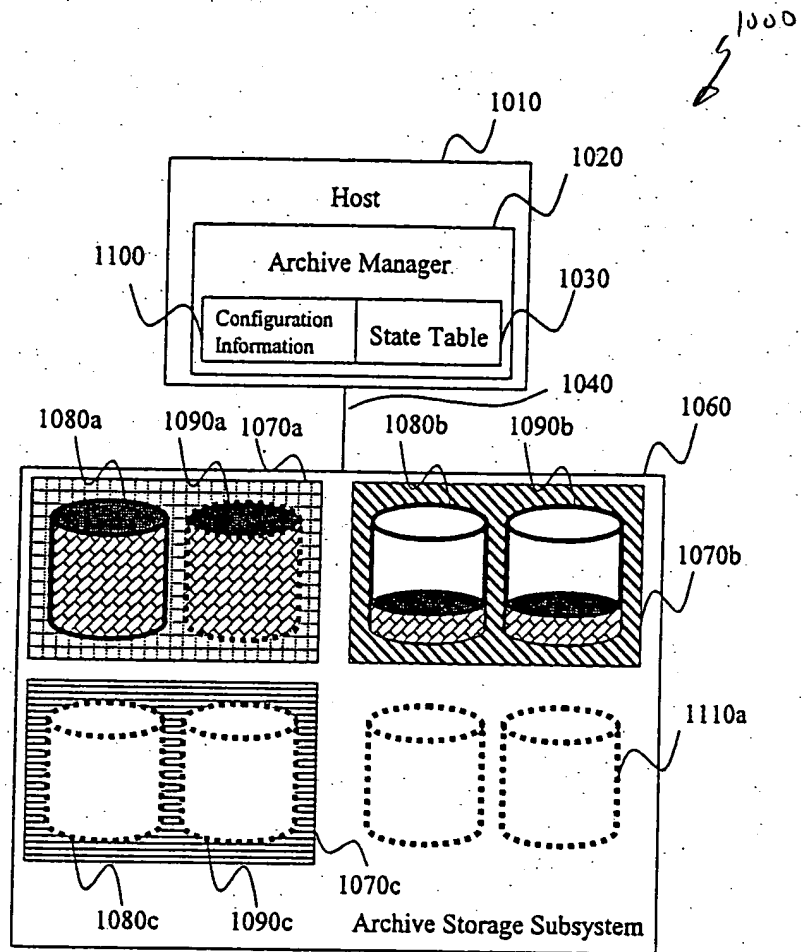


Fig 3 : Status of RAID1

1100

	3070	3080
	Default	Setting Range
3010		
3020	Number of Disk in RAID1 Group	2 less or equal total of disk
3030	Number of Accessible Disk in RAID1 Group	1 less or equal Number of Disk in RAID1 Group
3120	Power Status of Accessible Disk (power saving)	ON Saving mode ON, Saving mode, OFF
3040	Power Status of Standby Disk (power saving)	OFF ON, Saving mode, OFF
3050	Power Status of Waiting Disk	OFF ON, Saving mode, OFF
3060	Trigger of Role Reversal for Power Saving RAID1	Time (one week) Time (day, week, month), Equation of Access Time
3090	Threshold of Maintenance Warning	70% of total used space total used space (%), total used space (Giga Bytes)
3100	Number of Spare Disk	10% of Number of Disk in Archive Storage Subsystem less or equal a half of Number of Disk in Archive Storage Subsystem
3110	Time of Mode Switching	1 week hour, day, week, month
	Rewrite after read-only	No Yes, No

4  
Fig 4 : Configuration Information

1030

2090

2095

2010		disk00	disk01	disk02	disk03	disk04	disk05	Total	
2020	Power Status	On	Off	On	On	Off	Off	-	
2030	Disk Condition	good	good	good	good	good	good	-	
2040	RAID1 Group #	0000	0000	0001	0001	0002	0002	-	
2050	Operational Mode	Power saving		active		waiting		-	2130
2060	Attributes	Read-only		R/W		No I/O		2	2100
2070	Used space	320GB		20GB		0GB		340GB	2110
2080	Free space	0GB		300GB		320GB		620GB	2120
	Total RAID1 size	320GB		320GB		320GB		960GB	

Fig 5 : State Table

1070a

1070b

1070c

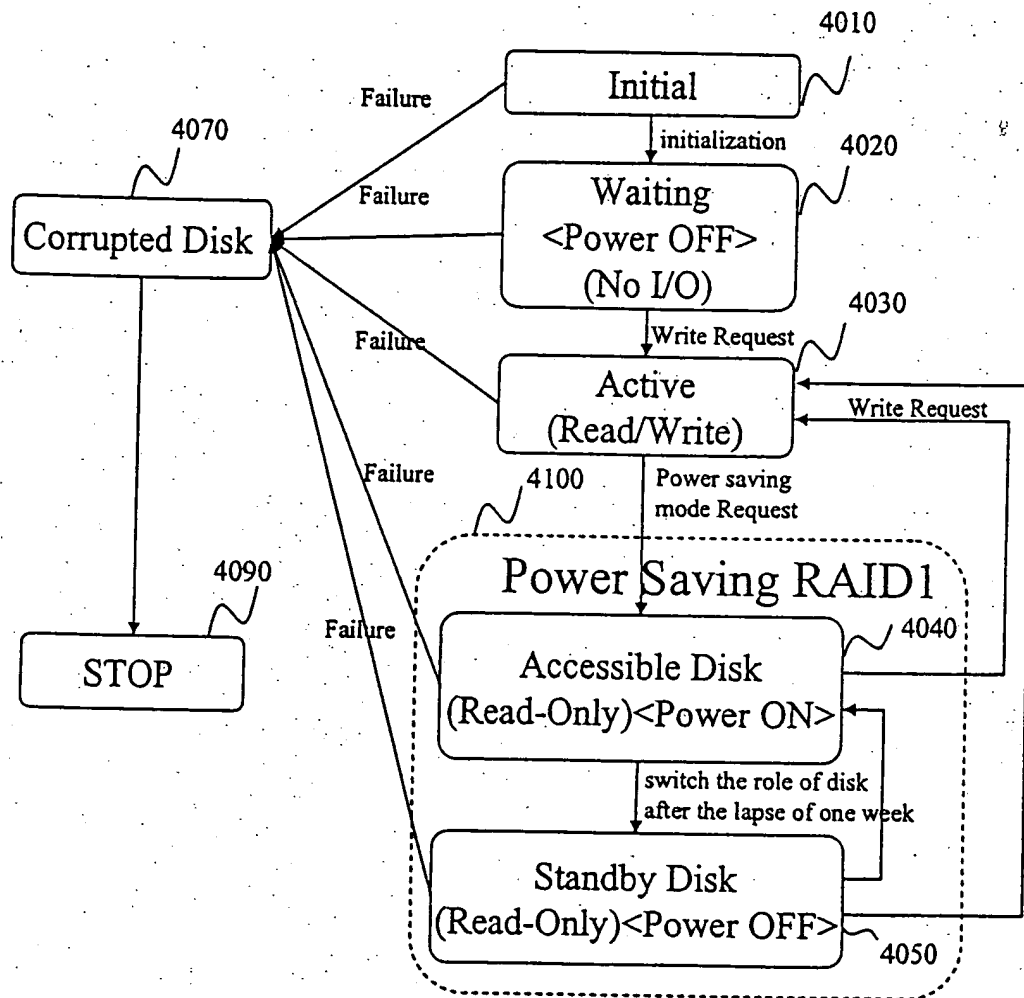
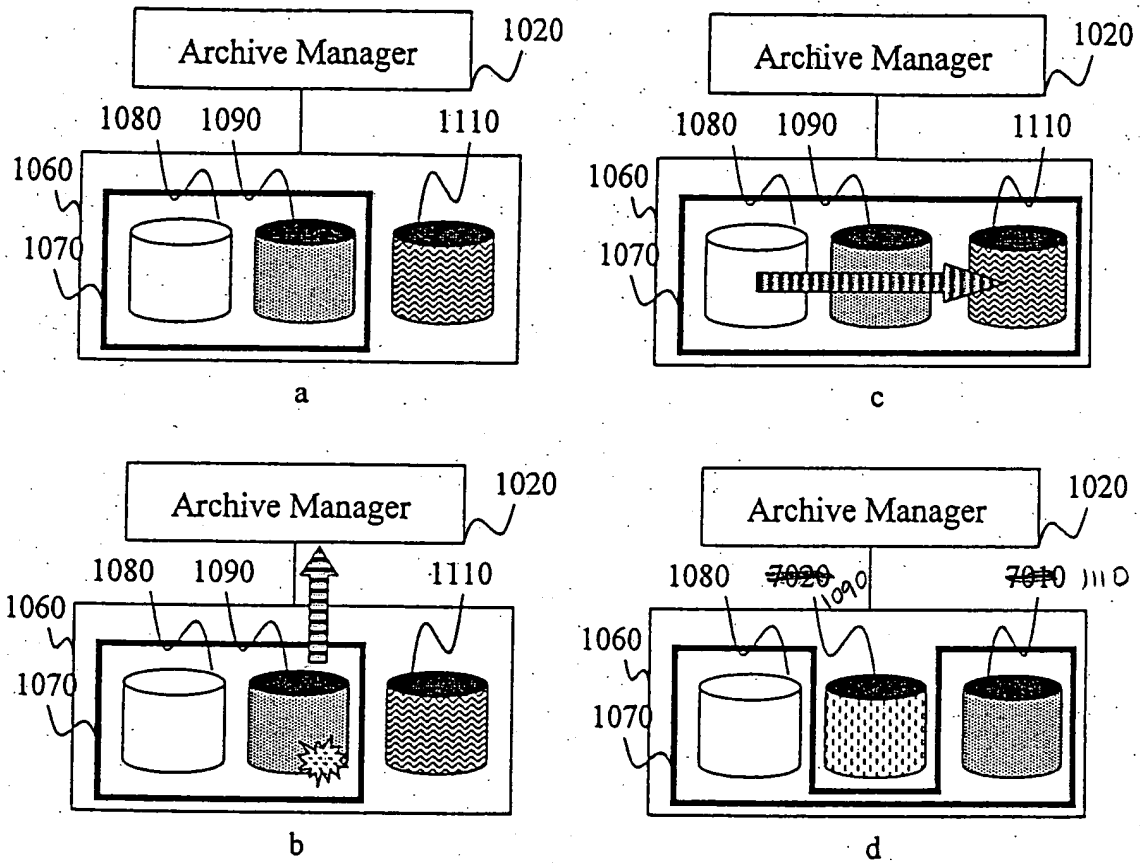


Fig 6 : State Transition Diagram (default)

**Fig 7 : Self-Repairing of RAID1 Group**

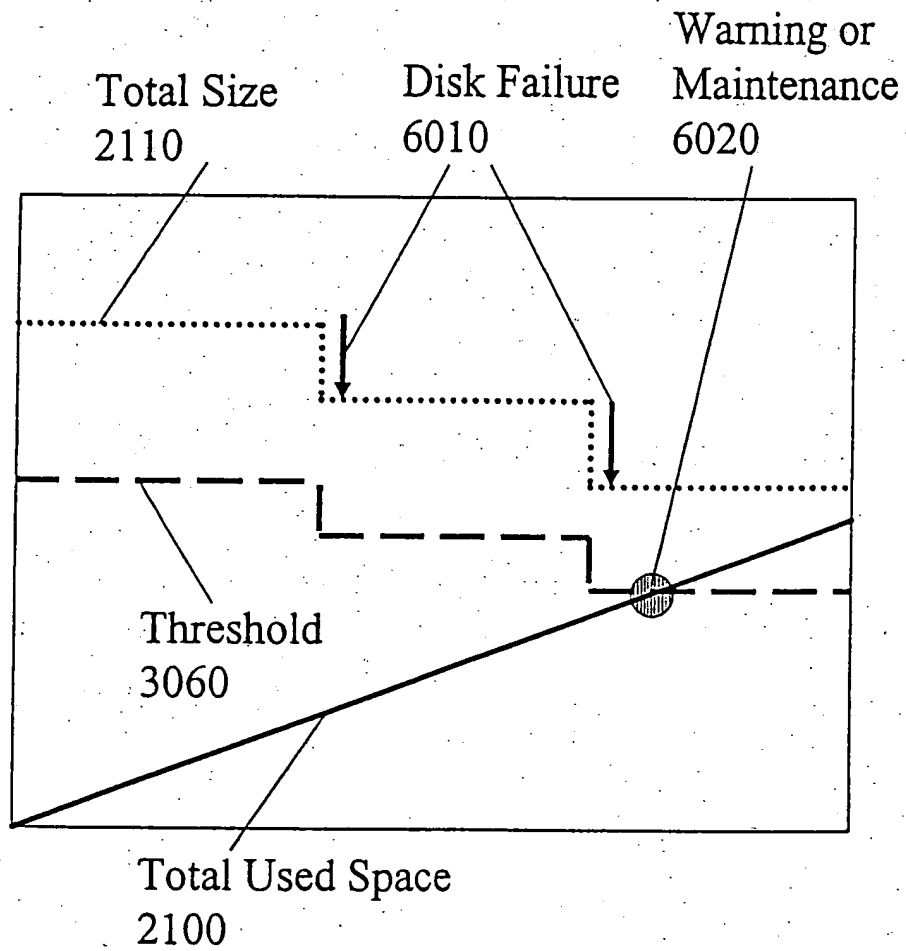


Fig 8 : Threshold Management



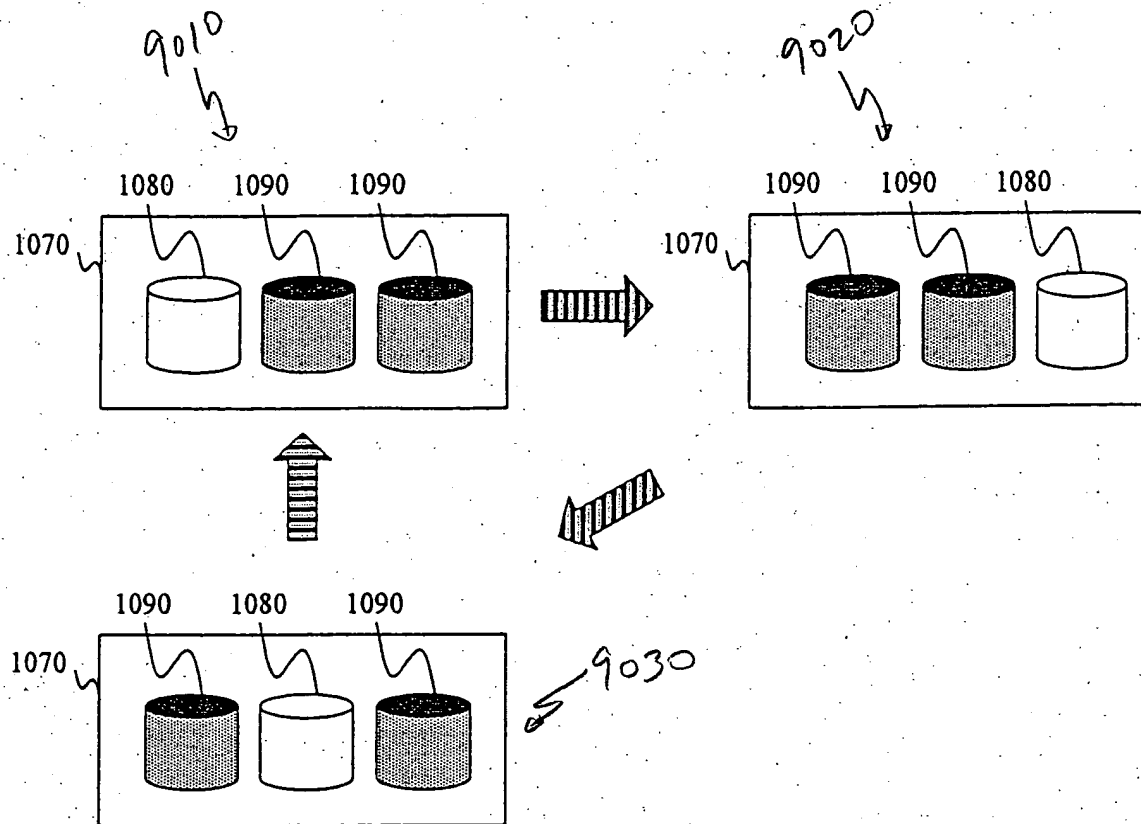


Fig 9 : Role Reversal of Disks